

Abstract of the Disclosure

A voltage multiplier circuit includes a voltage-to-current converter, a current multiplier, and load devices. The voltage-to-current converter receives a differential input voltage, and produces a differential current. The differential current is received
5 by the current multiplier, which produces a scaled output current. The amount of scaling is provided by a digital control word. Load devices produce a differential output voltage from the scaled output current. Multiple voltage-to-current converters and current multipliers can be coupled in parallel so that the scaled output currents sum.

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